

COUNTRY Germany (Russian Zone)

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SUBJECT DDR Transformer Construction

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SUPPLEMENT TO
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1. Reconstruction is to be started at Wasserwerk Trattendorf (VVB Energiebezirk Nord) for the production of 300,000 KW, and at Kraftwerk Bertsdorf for the production of 450,000 KW. For both of these a transformer station is to be built near Bautzen and a double 220 KW line is to be laid into Berlin.
2. Difficulties are developing in the procurement of transformer sheets. So far, these had been delivered from Russia, Austria, and Thale (Eisen-und Huettenwerk Thale, SAG Marten), Harz. Deliveries from Russia and Austria have stopped and the Thale concern is not delivering the desired quality.
3. The following are some tests made by the Deutsches Amt für Masse und Gewichte (DDR Bureau of Standards): $v_{10} = 1.29$ (1.31) W/hz $V_{15} = 3.08$ (3.12) W/hz. DIN (German Industrial Standards) establish a maximum of $v_{10} = 1.3$. According to tests made by the Thale concern, the leakage was 5%, according to tests made by Transformatorenwerk Oberschöneweide, even higher. The thickness of the sheets, cannot be produced by the Thale concern in accordance with DIN 46 400. Any attempts to improve these sheets by increasing their weight have been strongly opposed by the consumers. Leading personalities at Thale are Dr. Brüggemann, Dipl. Ing. Gerlach, and the responsible administrator (Prokurist) Lohoff.
4. The Krupp Gruson Werk in Magdeburg is constructing a continuous refined iron-rolling mill (kontinuierliche Feineisenwalzstrasse) with rollers of 350 ϕ for an unidentified site behind the Ural mountains. For this same project, Apparatefabrik Treptow is building 34 mutators E 607 (600 A). On March 17, Apparatefabrik Treptow had 661 technicians, 490 office workers, 4827 workers, and 449 engineers.
5. For the new aluminum factory at Bitterfeld, Transformatorenwerk Oberschöneweide is building 12 rectifier transformers. Each has six anodes, three of them parallel. The following are details of the transformers: The primary is 30,000 V, the secondary 2x750 V and 2x1500 A = 2250 KW. The complete installation is 27,000 KW.
6. The Transformatorfabrik Berlin-Oberschöneweide (SAG Kabel) employed more than 1000 men until recently when all reparations orders were stopped and all blue-prints were required to be sent to Russia. There are enough civilian orders on hand, but the factory has found it impossible to procure lead. Thirty percent of the workers were dismissed recently and further layoffs are expected.
7. Similar difficulties are reported concerning other factories of SAG Kabel, such

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as Kabelwerk Oberspreewerk, Berlin-Oberschöneweide, and Kabelwerk Vogel, Berlin-Tempelhof.

2. Transformatorenwerk-Berlin Oberschöneweide is now directly under the Ministry for Heavy Industry. So far, the only reparations order delivered in 1951 were 75 current transformers (Stromwandler) of 220 KV each.
3. The authorized representative of the Amt für Reparationen beim Magistrat und Leitzentrale für Reparationen Berlin-Brandenburg (Reparations office with the Berlin Magistrat and main office of the Land offices for reparations Berlin-Brandenburg) is Alfred Hufersaat. He carries special pass (Ausweis und Vollmacht) No. 00018, dated 9 February 1951.

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